FINAL REPORT

For The

BRISTOW CHURCH OF THE NAZARENE PROJECT
PROJECT #F448

Located in a portion of the
NW/4 SW/4 SW/4
Section 20-T16N-R9E
Creek County, Oklahoma

January 16, 2007

PREPARED
FOR THE:

OKLAHOMA ENERGY RESOURCES BOARD
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FINAL REPORT

BRISTOW CHURCH OF THE NAZARENE PROJECT

OERB Project #F448

1. INTRODUCTION

The Oklahoma Energy Resources Board (OERB), a State of Oklahoma board, was created by state legislation in 1992. The purpose of the board is to educate the public about the Oklahoma energy industry and to restore historical exploration and production sites with environmental issues. Sites targeted for restoration are abandoned with no responsible owner and/or operator and fall under the jurisdiction of the Oklahoma Corporation Commission (OCC).

By statute, all projects are chosen by the OCC. Commission field inspectors select projects based on landowner complaints, public nuisance, visibility, and potential harm to the environment. Once a project is selected, the OCC performs a record check to determine responsible party availability. When it is determined that no responsible owners and/or operators are available to meet applicable restoration standards, the projects are then forwarded to the OERB.

2. PURPOSE

At the request of the OERB and in conjunction with the OCC, BEACON Environmental Assistance Corporation (BEACON) conducted a site restoration on the Bristow Church of the Nazarene Project. The objectives of the project were to assess issues associated with historical oil and gas exploration and production (E&P) activities and to restore the subject property to productive use. This report summarizes the results of the project that consisted of four phases: Phase I - Initial Site Review, Phase II – Site Evaluation, Phase III - Site Restoration, and Phase IV - Progress Review.

3. PHASE I - INITIAL SITE REVIEW

3.1 Location

The Bristow Church of the Nazarene Project is located near the town of Bristow, Oklahoma as shown on Figure 1. The project was confined a portion of the NW/4 SW/4 SW/4, Section 20-T16N-R9E, Creek County, Oklahoma as shown on Figure 2.

3.2 Site Visit

An initial site visit was conducted at the subject property to identify potential concerns. During the site visit the physical condition and characteristics of the site were identified.

The project generally consisted of abandoned flowlines, concrete, debris, a tank and areas to grade. The site is depicted on Figure 3 and selected photographs are presented in Appendix A.

4. PHASE II – SITE EVALUATION

The initial site visit did not reveal any evidence of produced fluid impact from historical oil and gas exploration and production activities. There were no features identified that, based on knowledge of process, would be expected to have impacted the site. Therefore, no soil or water sampling was conducted.

5. PHASE III - SITE RESTORATION

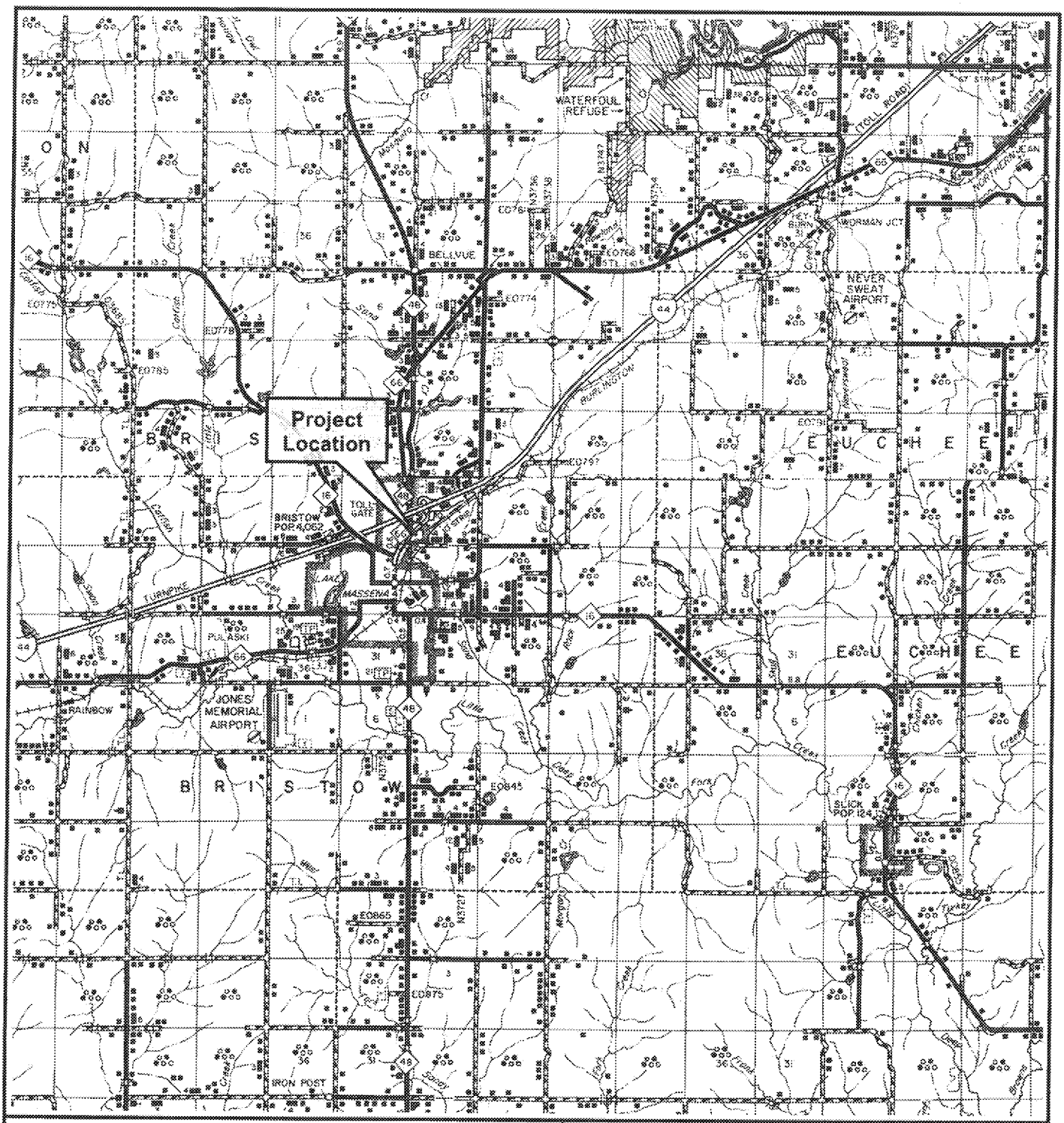
After a review of the data, a restoration plan was designed for the project. The objective of the plan was to restore the site to a productive nature. The plan was based on regulatory compliance, technical feasibility, and economics. Regulatory compliance included, but was not limited to, Oklahoma Administrative Code (OAC) 165:10-7 (OCC Pollution Abatement) and the OERB's OCC approved procedures.

The site restoration generally consisted of removing and disposing of the flowlines, concrete, debris and tank, grading the designated areas and planting the areas disturbed during the course of work. Aaron Construction of Norman, Oklahoma was contracted to perform the site restoration. A detailed description of the restoration work is presented in Appendix B, Restoration Scope of Work.

6. PHASE IV - PROGRESS REVIEW

Upon completion of the site restoration, a progress review was performed to document the restoration activities. The review included an interview with the landowners and a site visit. During the site visit, still photographs were taken. Copies of selected photographs are presented in Appendix A.

Based on the results and findings from the various phases of the project, no further activities are anticipated and the project restoration is considered complete. All original documentation for the project is located within the project file and is available at your request.



Project Location:
A Portion of the
NW/4 SW/4 SW/4,
Section 20–T16N–R9E

-N-

APPROXIMATE SCALE IN MILES
1 0 1 2

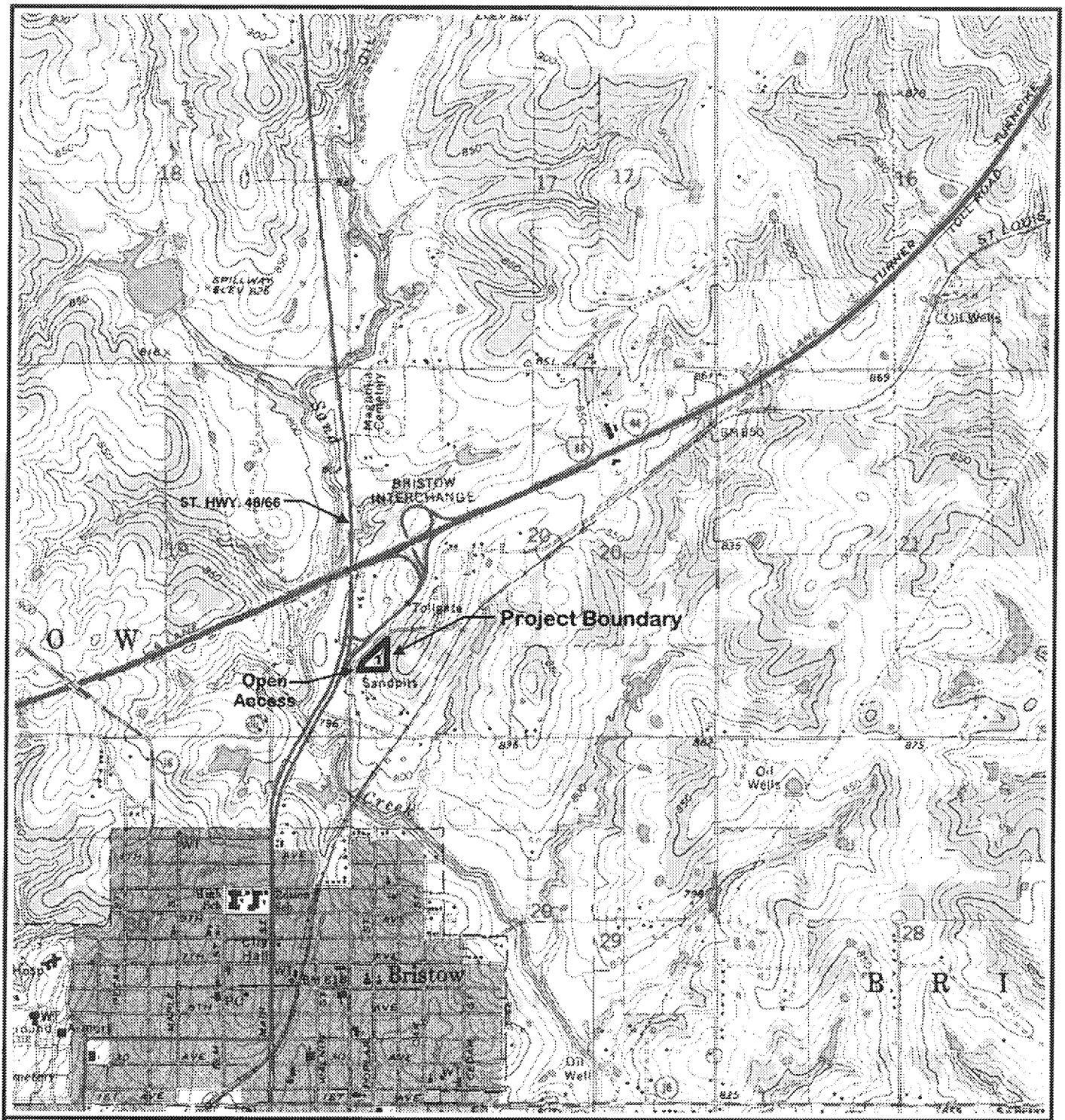
PROJECT LOCATION MAP

Bristow Church of the Nazarene Project
Creek County, Oklahoma

Prepared for:
OERB Oklahoma Energy Resources Board

BEACON Environmental Assistance Corporation

PROJECT MGR.:	JD	DATE:	4/06	Fig. 1
DRAWN BY:	LH	PROJECT #:	F448	



Project Location:
A Portion of the
NW/4 SW/4 SW/4,
Section 20–T16N–R9E

Source: USGS 7.5' Quadrangles
Bristow, Okla.
1973

Slick, Okla.
1973

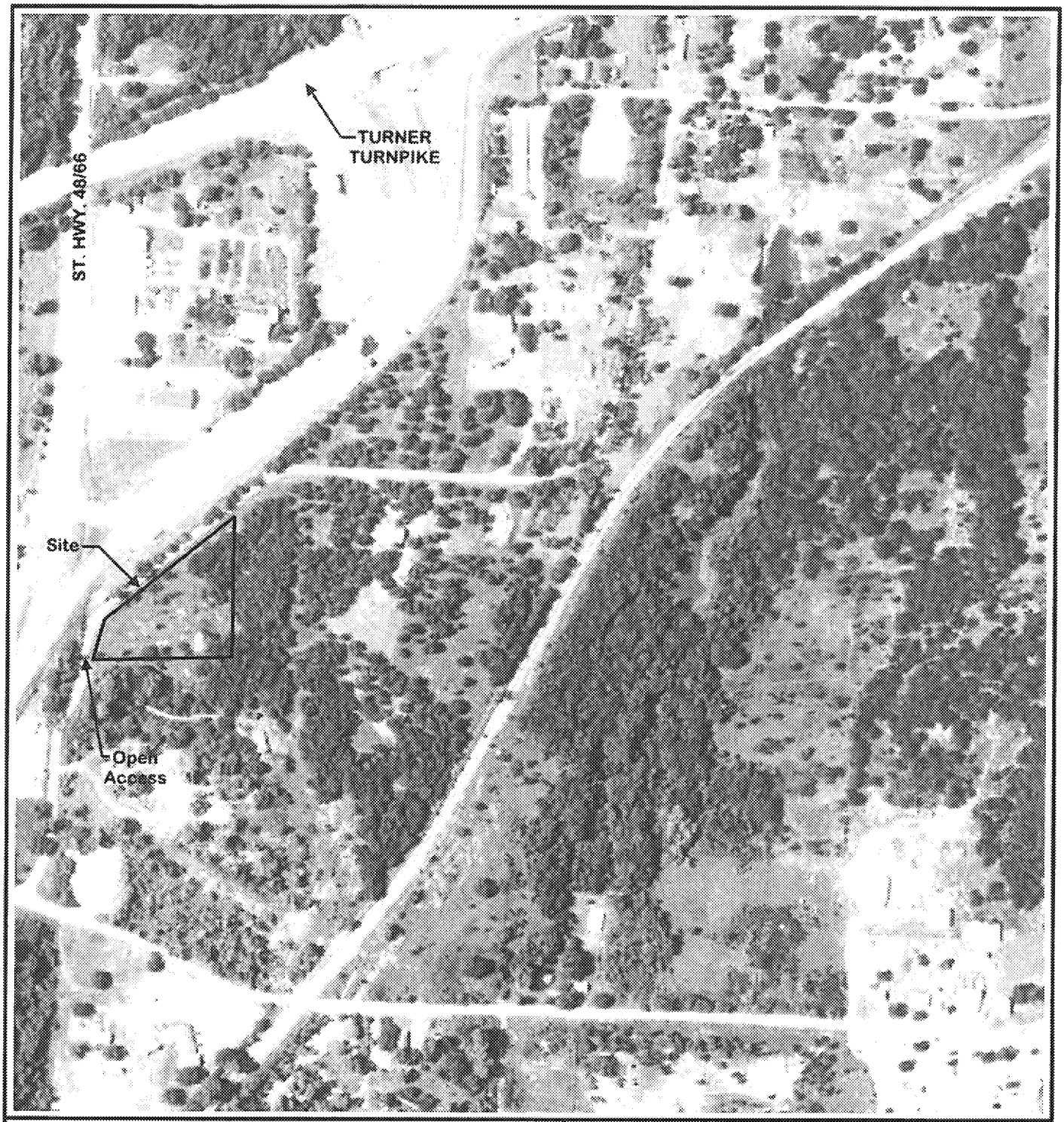
PROJECT BOUNDARY MAP

Bristow Church of the Nazarene Project
Creek County, Oklahoma

Prepared for:
OERB Oklahoma Energy Resources Board

BEACON Environmental Assistance Corporation

PROJECT MGR.:	JD	DATE:	4/06	Fig. 2
DRAWN BY:	LH	PROJECT #:	F448	



Project Location:
A Portion of the
NW/4 SW/4 SW/4,
Section 20–T16N–R9E

-N-

APPROXIMATE SCALE IN FEET
200 0 200 400

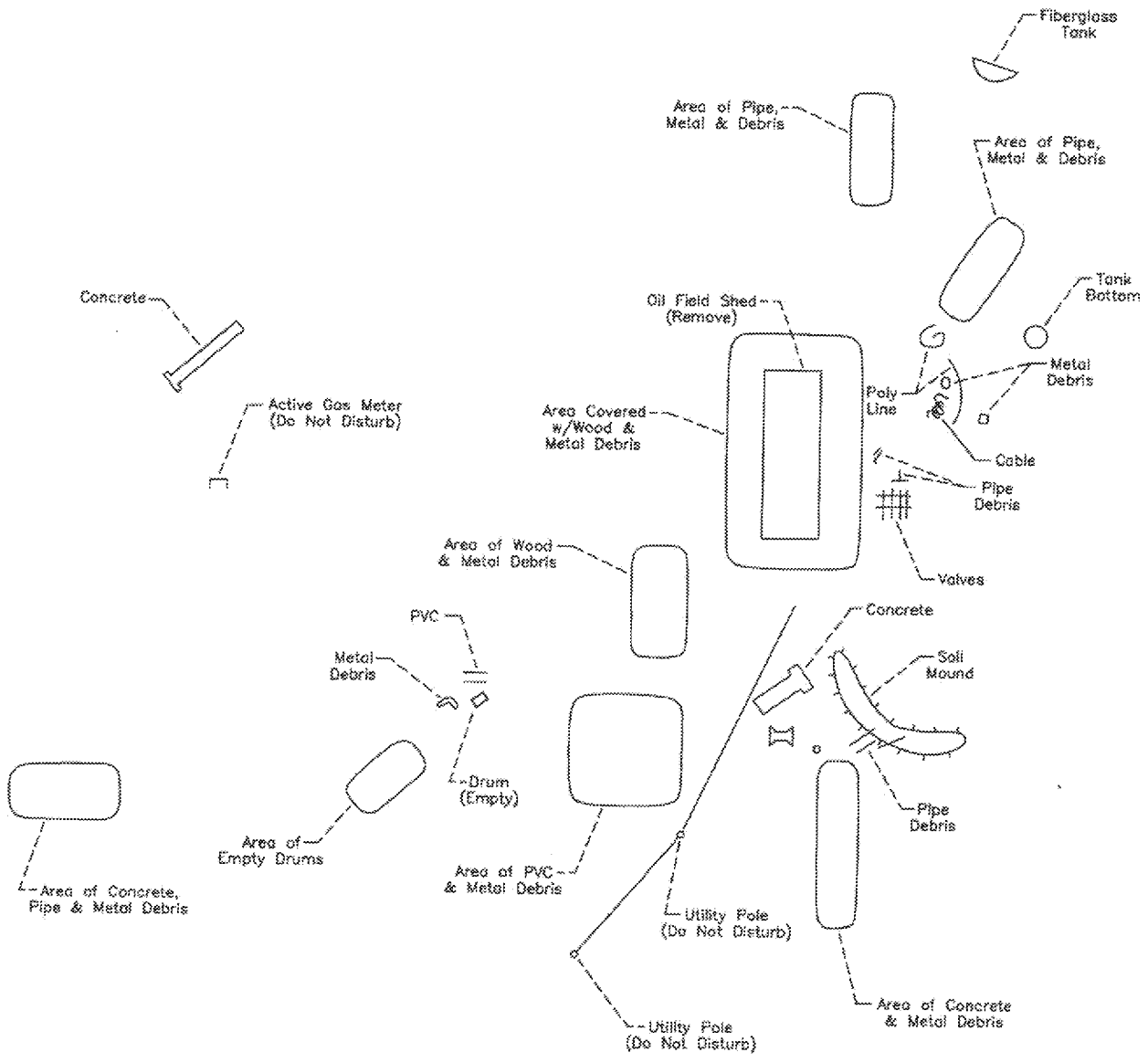
AERIAL PHOTOGRAPH, 2003

Bristow Church of the Nazarene Project
Creek County, Oklahoma

Prepared for:
Oklahoma Energy Resources Board

BEACON
Environmental Assistance Corporation

PROJECT MGR.:	JD	DATE:	4/06	Fig. 2.1
DRAWN BY:	LH	PROJECT #:	F448	



NOTES: Area Covered with Miscellaneous Trash & Debris
Pipe Has NORM

N

APPROXIMATE SCALE IN FEET

30 0 30 60

SITE MAP

BRISTOW CHURCH OF THE NAZARENE PROJ.

A Portion of the NW/4-SW/4-SW/4, Section 20, T16N-R9E, Creek County, Oklahoma

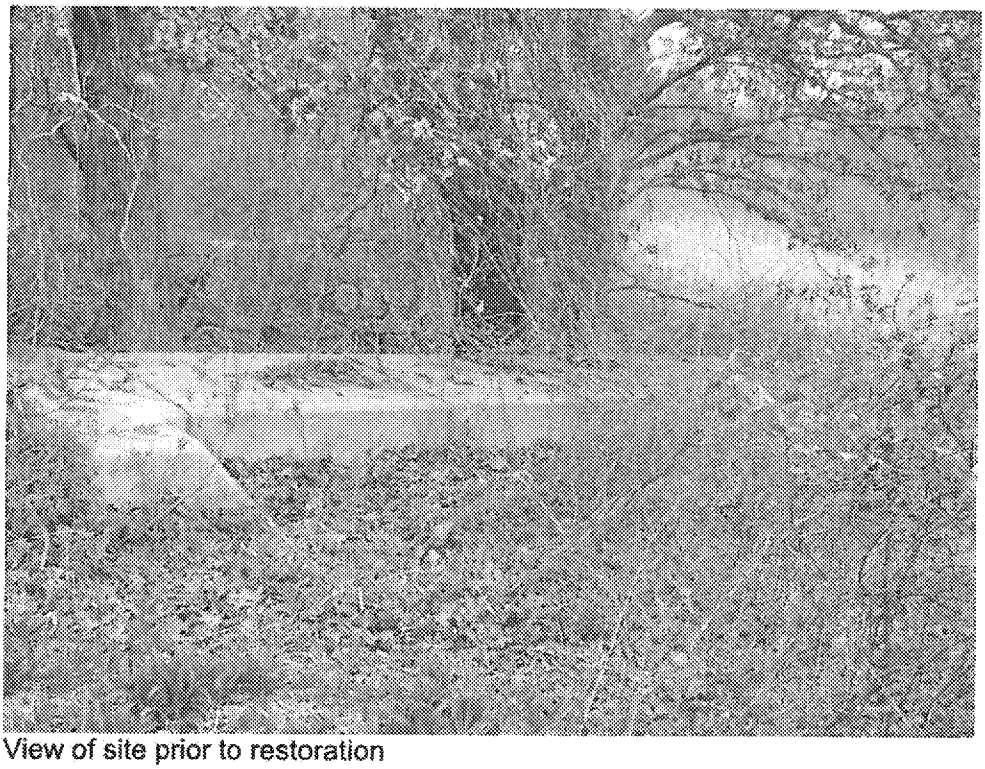
Prepared for: OERB Oklahoma Energy Resources Board

BEACON Environmental Assistance Corporation

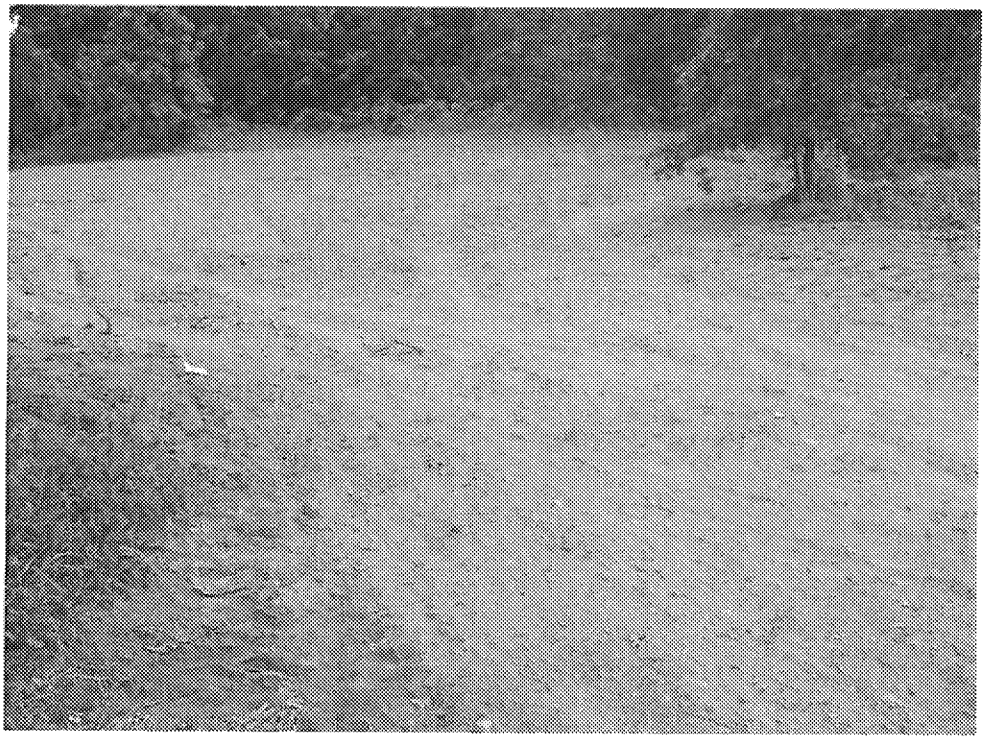
PROJECT MGR.:	JD	DATE:	4/06	Fig. 3
DRAWN BY:	LH	JOB NO:	F448	

View of site prior to restoration

View of site after restoration



View of site prior to restoration



SCOPE OF WORK

Bristow Church of the Nazarene Project
Creek County, OK
OERB Project #F448

1. GENERAL

1.1 Location: The project is located near the town of Bristow, Oklahoma as indicated on Figure 1.

1.2 Description of Existing Site Conditions: The project is associated with historical oil and gas exploration and production activities and consists of abandoned flowlines, concrete, debris, a tank and areas to grade.

1.3 Boundaries

1.3.1 Project Boundary: The project is confined to a portion of the NW/4 SW/4 SW/4 Section 20-T16N-R9E, Creek County, Oklahoma as indicated on Figure 2. The Contractor shall not cross the boundaries of this area except when entering or leaving the site.

1.3.2 Site Boundary: The Site Boundary is a discrete area within the Project Boundary. The Site Boundary is defined by the outline of the area depicted on Figure 3. Certain tasks detailed below specify the Site Boundary as the perimeter of the work area for the task. In such cases the Contractor shall be responsible only for activities included in the task within the area defined by the Site Boundary.

1.4 Project Objectives

1.4.1 The objective of the project is to remove and dispose the flowlines, concrete and debris, dispose of the tank, grade the designated areas and plant the areas disturbed during the course of work.

1.4.2 The Contractor shall take all appropriate precautions to minimize incidental disturbance to crops, pasture, and other areas outside the immediate work area(s), and may be held liable for any such damages deemed unnecessary or avoidable by the Consultant.

1.4.3 The project is located on private land. The Contractor, Consultant, and Landowner shall discuss all aspects of the Work at the pre-start meeting (see Section 14.2, below). The Contractor shall strive at all times to abide by the preferences of the Landowner as related to completion of the Work. In any instance where the Contractor believes that the preferences of the Landowner are in conflict with this Scope of Work or other contract documents, the Contractor shall immediately cease activities related to the area of apparent conflict and notify the Consultant.

2. IDENTIFICATION AND NOTIFICATION FOR ACTIVE UTILITIES

2.1 The Contractor shall be responsible for identification of all active subsurface utilities and/or pipelines by notification of appropriate line locator services and all other utility or pipeline operators in the site vicinity no less than 2 working days prior to the pre-start meeting (see Section 14.2, below) and prior to the initiation of any subsurface disturbance on the site. Notification shall include, but is not limited to, CALL-OKIE (1-800-522-6543). Additionally, the Contractor shall take appropriate action to identify and notify all other utility or pipeline operators in the site vicinity which are not subscribers to CALL-OKIE's service.

2.2 The Contractor shall be responsible for any and all damage to active subsurface utilities and pipelines and any impact to soil, ground water or surface water as the result of the damage. In the event of damage to active utilities or pipelines, the Contractor shall take all appropriate precautions and perform measures to contain any spills and minimize impact to surrounding media. After taking steps to contain any spills and minimize impact, the Contractor shall immediately notify the Consultant of the damage. The Contractor will be required to comply with all applicable laws, rules, regulations, and clean-up standards for any impact caused by damage to active utilities or pipelines.

2.3 The Contractor shall identify any aboveground utilities and/or pipelines in the work area(s), and shall exercise appropriate precautions to avoid damage to such lines. Unless specifically informed otherwise by the utility provider, Contractors shall assume that any aboveground electrical lines in the work area(s) are energized, and shall observe all applicable safety precautions when working in the vicinity of the lines.

3. FLOWLINE REMOVAL AND DISPOSAL

3.1 General: The Contractor shall remove all exposed abandoned flowlines within the Site Boundaries and any abandoned buried flowlines that interfere with the work. Sections of exposed flowline shall be removed back into the buried section to the point of burial depth of 18 inches, or at least 25 feet back from the point of exposure, whichever is less. Buried flowline shall be removed as necessary to complete this Scope of Work.

3.2 Residual Material in Lines: If the Contractor determines that there may be significant (>1 barrel) quantities of residual product remaining in flowlines, the Contractor shall immediately cease removal activities, take appropriate steps to prevent spillage of the material, and notify the Consultant.

3.3 Flowline Capping: All flowlines which are cut and left in place shall be capped with either a welded or threaded cap or plug. All capped flowline ends shall be left exposed until inspected by the Consultant.

3.4 Grading: All areas disturbed by flowline removal shall be graded with soil from the immediate surrounding area to blend with the existing terrain.

3.5 Salvage: All salvageable removed flowline material becomes the property of the Contractor. All such material must be removed from the project site prior to Contractor's application for final payment.

3.6 Disposal: Non-salvageable flowline material shall be disposed by transportation to a permitted landfill or a reclaimer/recycler. Contractor shall notify Consultant **in writing** of the proposed landfill or reclaimer/recycler prior to removal of any material from the site, and shall provide manifests for all waste prior to application for final payment. In the event that Natural Occurring Radioactive Material (NORM) is found in some flowlines and the Contractor does not have the means to properly dispose of the NORM impacted pipe off site, the Contractor may dispose the pipe by burial on-site. The burial location shall be in close proximity to the original location of the flowlines. Burial depth shall be adequate to provide a minimum of 3 feet of compacted cover over all sections of the flowlines. Consultant shall be notified within 24 hours notice prior to burial of any NORM flowlines.

4. CONCRETE REMOVAL AND DISPOSAL

4.1 General: All concrete slabs, engine pads, foundations, rig corners or other concrete structures contained within the Site Boundaries shall be disposed by burial on-site. The Contractor shall be responsible for determination of actual dimensions of all concrete structures, and will be required to remove all structures regardless of size and with no change in the contract sum due to concrete volume.

4.2 Disposal by Burial On-Site: Unless specifically noted otherwise, burial location shall be in close proximity to the original location of the structure. Burial depth shall be adequate to provide a minimum of 3 feet of compacted cover over all sections of the buried structure.

4.3 Grading: All areas disturbed by concrete removal shall be graded with soil from the immediate surrounding area to blend with the existing terrain.

5. DEBRIS REMOVAL AND DISPOSAL

5.1 General: The Contractor shall be responsible for the removal and disposal of all miscellaneous debris and/or abandoned materials located within the Site Boundaries, including the Oil Field Shed depicted on Figure 3. Trees, stumps, and brush shall be removed only as necessary to meet the requirements of this Scope of Work. Trees and stumps shall be removed to a depth of 12 inches below the final grade.

5.2 Off-Site Disposal: Materials removed from the site shall be legally disposed in a permitted landfill or transferred to a reclaimer/recycler. Contractor shall notify Consultant **in writing** of the

proposed landfill or reclaimer/recycler prior to removal of any material from the site, and shall provide manifests for all waste prior to application for final payment.

5.3 Disposal by Burning: Trees, logs, stumps, brush, or household trash which is included in the debris identified to be removed may be disposed by burning on-site, subject to the following constraints:

5.3.1 Oversight: Burning shall be accomplished under the constant care of competent watchmen at such times and in such manner that the surrounding vegetation and other adjacent property shall not be jeopardized. Contractor shall be liable for any damage deemed unnecessary or avoidable by the Consultant.

5.3.2 Laws, Ordinances, Permits: Burning shall be accomplished in accordance with all applicable laws and ordinances. Contractor shall be responsible for the acquisition and cost of any required permits.

5.3.3 Ash Disposal: All ash and/or other residue remaining after burning shall be disposed by burial. Burial depth shall be adequate to provide a minimum of 3 feet of compacted cover over all sections of the buried material.

5.4 Grading: All areas disturbed by debris removal shall be graded with soil from the immediate surrounding area to blend with the existing terrain.

6. TANK REMOVAL AND DISPOSAL

6.1 General: The Contractor shall be responsible for the removal of the tank depicted on Figure 3.

6.2 Contents Removal and Tank Cleaning: The Contractor shall remove all contents from the tank. The tank shall be cleaned to remove any residual product.

6.3 Transportation: The tank, tank contents, and material generated during the cleaning process shall be transported off-site. The Contractor may cut the tank on-site for transportation purposes if he deems it necessary. Contractor is responsible for any applicable permits, notifications, and rules or regulations for cutting and/or transporting the tank.

6.4 Disposal: The tank and its contents as well as any material generated during the cleaning process shall be legally disposed in accordance with any applicable laws, rules or regulations including but not limited to Oklahoma Administrative Code (OAC) 165:10-7 (Oil and Gas Conservation, Pollution Abatement). Any reclamation or salvage value of the tanks or their contents will go to the Contractor. Contractor shall notify Consultant **in writing** of the proposed disposal plans prior to removal of any material from the site, and shall provide manifests for all waste prior to application for final payment.

7. GRADING

7.1 General: The soil mound depicted on Figure 3 shall be leveled and graded to blend with the existing terrain.

8. TOP SOIL REMOVAL/REPLACEMENT

8.1 General: Topsoil shall be excavated in any areas being disturbed and stockpiled **separately** from other material generated during excavations and/or grading. The stockpiled top soil shall be used for final grading and to top dress any affected areas.

9. ROCK REMOVAL/REPLACEMENT

9.1 General: Any rock removed during burial activities shall be **segregated** during excavation. When filling the excavated area, the segregated rock shall be the first material placed into the excavation. In the event that there is not sufficient subsoil/topsoil available to cover the rock, the excess rock shall be placed in an area within the project boundary as determined by the landowner and consultant. Under **no** circumstance shall excess rock be dispersed in areas outside the limits of the excavations.

10. PLANTING

10.1 General: The areas affected by all activities outlined in this Scope of Work shall be graded and

seeded.

10.2 Preparation: Preparation of areas shall include filling and reshaping eroded areas and refinishing slopes to the established typical grade. The soil shall be tilled or disked on the contour to a depth of 4 inches.

10.3 Materials and Rate: Due to the uncertainty of the time of year planting will occur, seed composition and rates will be determined by the time of year as outlined below:

Time	Seed Composition	Rate
August - February	50% Winter Wheat & 50% Winter Rye	60 pounds per acre
March - June	Bermuda Grass	6 pounds per acre
July	**No planting shall be performed during this period.**	

The seed shall be furnished in sealed bags and shall have been officially sampled and tested by the Oklahoma State Board of Agriculture. **Note: If the project is completed during the month of July, planting shall be performed after August 1.**

10.4 Planting: The area(s) shall be planted with mechanical equipment designed and capable of planting the material uniformly and at the specified rate. Hand planting shall not be used except in areas that are too small or inaccessible to accommodate the specified equipment. Equipment shall not be operated on areas where rutting or slippage would mar the soil surface. After seeding the area shall be graded by dragging or other similar methods to cover the seed and smooth the surface. After planting there shall be no clods or clumps of soil greater than 2 inches in diameter.

10.5 Fertilizing: Fertilizer shall be applied at the rate of 100 pounds per acre. The fertilizer shall have the composition of 10% nitrogen, 20% phosphate, and 10% potassium (10-20-10) or 13% nitrogen, 13% phosphate, and 13% potassium (13-13-13). When satisfactory results can be obtained, disking for soil preparation and incorporation of fertilizer may be accomplished in one operation. The fertilizer shall be applied with a mechanical broadcast spreader capable of distributing the fertilizer evenly at the specified rate.

11. EQUIPMENT

11.1 The Contractor shall furnish all equipment necessary to perform the Work in satisfactory working condition and in sufficient quantity to perform the Work on schedule. All equipment shall be subject to inspection by the Consultant prior to use at the site.

12. SEQUENCING AND PHASING

12.1 Identification of subsurface utilities shall be performed prior to any subsurface disturbance on the site.

12.2 Sequencing and phasing of all other activities shall be at the discretion of the Contractor.

12.2.1 The Contractor shall be responsible for coordination and sequencing of work by any subcontractors employed by the Contractor.

12.2.2 The Contractor shall be responsible to communicate with the Consultant as necessary to coordinate work at the site by other contractors.

12.3 The Contractor shall be responsible for any damage to completed work caused by improper sequencing or by failure to take adequate precautions to protect completed work.

13. HEALTH AND SAFETY

13.1 Contractor shall be responsible for compliance with all applicable health & safety regulations including, but not limited to, those covered under Occupational Safety and Health Administration (OSHA) during all site activities.

14. NOTIFICATION

14.1 The Contractor shall notify Consultant **at least 3 working days** prior to commencing any work at the site. Call Rodney Troglin at (405) 330-8688.

14.2 There will be a pre-start meeting at the site including the Consultant, Contractor and Landowner (or representative) **prior to commencement of any operations** at the site. The Consultant shall set the time and place of this meeting after determining the availability of all parties.

15. DOCUMENTATION

15.1 All required documentation as outlined in this Scope of Work shall be provided to the Consultant prior to application for final payment. Failure to provide documentation will result in delay of the final payment.

16. ATTACHMENTS

16.1 The following Figures are attached and are a part of this Scope of Work:

Figure 1..... Project Location Map

Figure 2..... Project Boundary Map

Figure 3..... Site Map

End of Scope of Work